

Solve each equation.

12. $4n - 2 + 7n = 20$

14. $6x - 4(2x + 1) = 12$

16. $4x + 3 - 2x = 2x + 7$

18. $3(x + 1) = 2x + 7$

20. $8x - 5 = 4x + 4 - 2x$

22. $4a - 4 = -2a + 14$

24. $2(x + 1) = 3x - 3$

26. $8y - 3 = 5(2y + 1)$

28. $0.3w - 4 = 0.8 - 0.2w$

30. $4y + 2 = 3(6 - 4y)$

32. $2(8y - 7) = 2(3 + 8y)$

34. $3 - 2(y - 1) = 2 + 4y$

36. $5(x + 1) + 2 = 2x + 11$

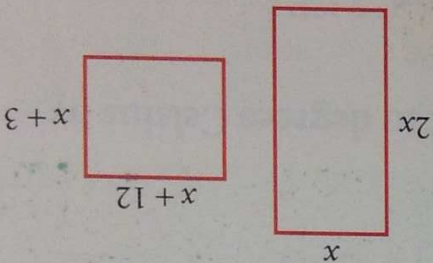
38. $3x - 2(x + 6) = 4x - (x - 10)$

40. $1.4m - 0.6(m - 2) = 2.4m$

42. $6.3y = 5.2y - 1.1y + 12.1$

43. $(w - 3) - 5(w + 7) = 10(w + 3) - (7w + 5)$

- 44. GEOMETRY** The perimeters of the two rectangles at right are equal. Write and solve an equation to find the value of x and the common perimeter.



- 45. GEOMETRY** Write and solve an equation to determine the value of x for which the perimeter of the rectangle at right will be equal to the perimeter of the square.

